

===== WPI =====

- TI - Catalyst support having controlled specific gravity, used for biological treatments - has specific gravity controlling additives dispersed and mixed in hydrated polymer particles dissolved in hot water, with inorganic fine powder coated on surface of hydrated polymer particles
- AB - J09122676 The catalyst support has a controlled specific gravity of 1.01-1.5 as measured by immersing in water. Specific gravity controlling additives are dispersed and mixed in hydrated polymer particles which are dissolved in hot water. Inorganic fine powder is coated on the surface of the hydrated polymer particles. Also claimed is another support, which comprises the particles of the specific gravity controlling additives whose surface is coated with the hydrated polymer to which the inorganic fine powder is applied.
- USE - For fixed or fluidised beds for anaerobic or aerobic biological processes disposing human waste or domestic or industrial waste water.
- ADVANTAGE - The support with a lower specific gravity is easily fluidised with a lower aeration force. Another support with a higher specific gravity does not flow easily out of a fixed bed reactor when the support is backwashed.
- (Dwg.0/0)
- PN - JP9122676 A 970513 DW9729 C02F3/10 004pp
- PR - JP950311551 951106
- PA - (DENK-N) DENKA ENG KK
- (ELED ) DENKI KAGAKU KOGYO KK
- MC - A11-C04B2 A12-W11J A12-W11K D04-A01F D04-A01J D04-A01K D05-A04
- DC - A97 D15 D16
- IC - C02F3/10 ;C12N11/08
- AN - 97-314923 [29]

===== PAJ =====

- TI - SPECIFIC GRAVITY-REGULATED CARRIER FOR BIOLOGICAL TREATMENT
- AB - PROBLEM TO BE SOLVED: To save an operating power cost of an apparatus or prevent a carrier from flowing out by a method wherein a microorganism fixed carrier used for an apparatus in which various kinds of waste water are biologically treated is made applicable to both of a packed layer and a fluidized layer.
- SOLUTION: A polymer granulate carrier is provided wherein an additive particle such as a foaming agent, a light weight hollow material or inorganic substance, etc., is mixed in the polymer water-containing granulate constituting the carrier, or that particle is used as a nucleus so that the specific gravity of the whole of the carrier becomes a required specific gravity of 1.01-2.00.
- PN - JP9122676 A 970513
- PD - 97-05-13
- ABD - 970930
- ABV - 097009
- AP - JP950311551 951106
- PA - DENKA CONSULT & ENG CO LTD;DENKI KAGAKU KOGYO KK
- IN - SHIGESADA SHIGEKI;FUJII SHUZO;SUZUKI HIROJI;TAKIZAWA EIJI
- I - C02F3/10; C12N11/08